

BURRILLVILLE WWTF

Burrillville entered the community-wide wastewater treatment business in 1980. In 1994 the community catapulted the plant into the 21st century with the installation of state-of-the-art instrumentation and control systems. Since then the town has worked to make process improvements to reduce nutrients and other pollutants. Because of its excellent management, operation and maintenance, the state showcased the Burrillville facility at the 1999 National Operation and Maintenance Conference, held in Providence in June 1999. Four operators and mechanics staff the facility. Hidden in the hills off Route 102, the facility discharges into the Clear River. It has been routinely rated as one of the best operating and maintained plants in the state.



Superintendent:
Address:

John E. Martin, III
Burrillville WWTF
P.O. Box 71
Harrisville, RI 02830

Telephone #:
Fax #:

568-9463
546-9464



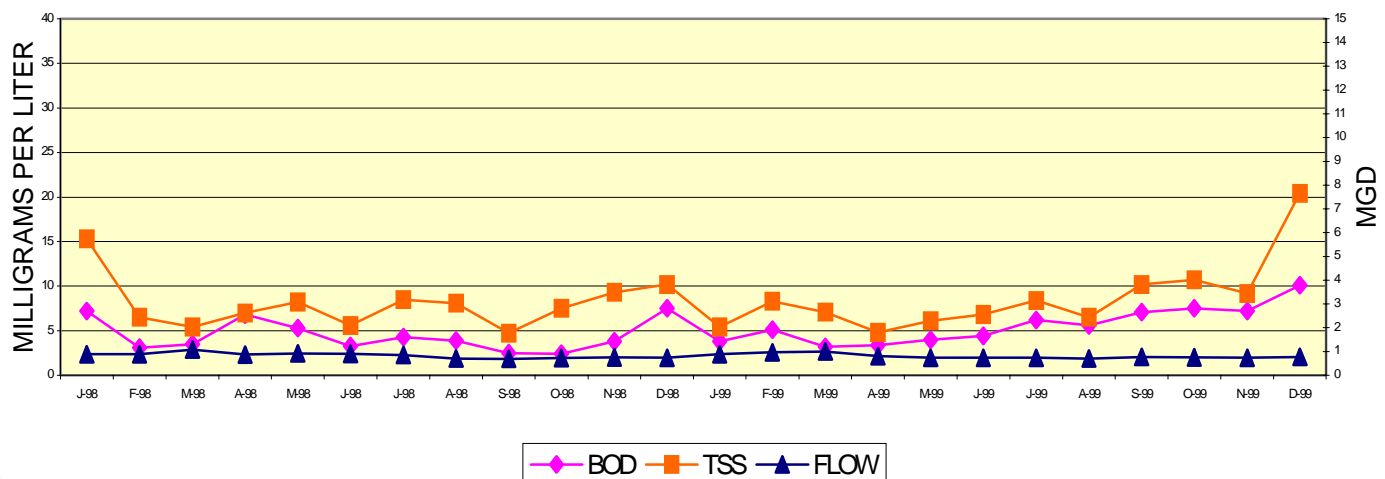
Overall Treatment: Excellent

Having no monthly violations for flow, BOD, TSS or fecal coliform, Burrillville received a rating of Excellent.

CURRENT AND FUTURE CONCERNS

Burrillville's new permit became effective on March 1, 2000. This new permit added summer and winter ammonia limits and the requirement that the Town reduce total nitrogen levels. Review of their reported performance data indicates that they can not comply with the new ammonia and copper limits; RIDEM and the Town intend to enter a consent agreement with interim limits until the town can adapt their wastewater facility to meet these requirements.

BURRILLVILLE EFFLUENT DATA 1998/1999



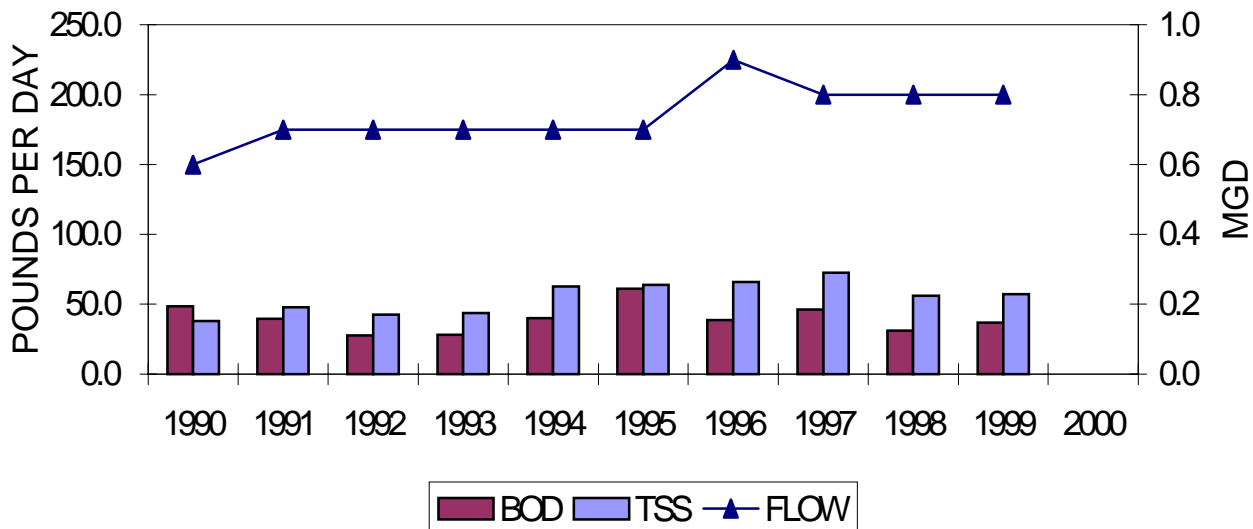
BEGAN OPERATION 1980

ANNUAL SURVEY

PARAMETER	1996	1997	1998	1999	PERMIT LIMIT	VIOLATIONS 1998/1999
FLOW (MGD)	0.9	0.8	0.8	0.8	1.5	0/0
BOD INFLUENT (MG/L)	173.0	176.4	208.5	262.1		
BOD EFFLUENT (MG/L)	5.4	6.8	4.5	5.6	30	0/0
BOD INFLUENT (LBS./DAY)	1235.6	1190.6	1403.0	1554.7		
BOD EFFLUENT (LBS./DAY)	38.6	46.1	31.2	36.9		
BOD % REMOVAL	96.8	96.1	97.8			
TSS INFLUENT (MG/L)	272.8	317.8	314.1	360.3		
TSS EFFLUENT (MG/L)	9.0	10.5	8.0	8.7	30	0/0
TSS INFLUENT (LBS./DAY)	1950.6	2168.1	2130.0	2343.7		
TSS EFFLUENT (LBS./DAY)	65.9	72.6	55.5	57.2		
TSS % REMOVAL	96.5	96.7	97.4	97.6		
FECAL COLIFORM (MPN/100ML)	26.7	23.5	27.4	20.7	200.0	0/0
CHLORINE RESIDUAL (MG/L)			0.0	0.1	0.076*	0/0

*Daily Maximum Limit

BURRILLVILLE 1990-1999 DATA



Operations & Maintenance

Burrillville continues to be one of the best operated and maintained facilities in the state. The DEM has approved the reuse of the facility's final effluent for Ocean State Power's use as cooling water. The facility has been experimenting with nitrification/denitrification as a major focus in anticipation of new permit limits. Their goal is to accomplish this with minimal cost and without a major upgrade.

1998 O&M Rating: 10 out of 10

1999 O&M Rating: 10 out of 10

1998 Laboratory Rating: 5 out of 5

1999 Laboratory Rating: 5 out of 5

Overall O&M Rating: Excellent

**1998
SLUDGE DISPOSAL METHOD**
Incineration (NETCO)

SLUDGE PRODUCED
357 DRY TONS

**1999
SLUDGE DISPOSAL METHOD**
Incineration (NETCO)

SLUDGE PRODUCED
304 DRY TONS

Sludge generated by the facility is transported in liquid form to the NETCO-operated incinerator in Woonsocket for disposal.